

REMARKS/ARGUMENT

Claim 1-12 stand allowed.

Claims 14-18 stand objected to as being dependent upon a base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. By this amendment Claims 14 and 15 have been amended to include all of the limitations of base Claim 13. Accordingly, Claims 14 and 15 stand allowable. Claims 16-18 depend from allowable Claim 15 and are similarly allowable.

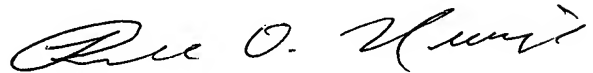
Claim 13 has been canceled. Accordingly, the informal objection and the 35 U.S.C. 102(b) rejection of Claim 13 are moot.

New independent Claim 19 requires and positively recites, a pipelined analog to digital conversion system, comprising: “a first successive approximation subconverter stage comprising a first capacitor array, the first successive subconverter stage receiving a conversion system analog input and providing a first multi-bit subconverter stage digital output representative of the conversion system analog input and a first residue output representative of a difference between the conversion system analog input and the first subconverter stage digital output” and “a second successive approximation subconverter stage comprising a second capacitor array, the second successive subconverter stage receiving the first residue output and providing a second multi-bit subconverter stage digital output **representative of the first residue output and a second residue output representative of a difference between the received first residue output and the second subconverter stage digital output**”.

Claim 19 is allowable over the Thomas reference since it fails to teach or suggest, "a second multi-bit subconverter stage digital output **representative of the first residue output and a second residue output representative of a difference between the received first residue output and the second subconverter stage digital output**", as required by Claim 19.

Claims 1-12 stand allowed. Objected to Claims Claim 14-18, as amended, and new Claim 19 stand allowable over the references of record. Applicants respectfully request allowance of the application as the earliest possible date.

Respectfully submitted,



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